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sity, presented to this board by his letter of resignation at the meeting held on April 27 last, be and the same is hereby accepted, to take effect on August 31, 1910.

*Resolved*, That in accepting the resignation of Dr. Needham, the trustees desire to express their high appreciation of his intelligent and laborious services in upbuilding the university and raising its standards, and their regret that it has now become necessary, in his opinion, for him to relinquish into other hands the guidance of the affairs of the institution, in the management of which he has for the past eight years participated jointly with the other members of the several boards of trustees. In all these years he has labored with an eye single to the highest good of the university and with a clear conception of its usefulness to the national capital and therefore to the nation. He has shown great intelligence, unselfish devotion, fine courage, patience and manly courtesy even under the most trying circumstances. They extend to him as he is laying down the heavy burdens of the high office which he has held, their sincere good wishes.

They further desire to place on record their concurrence in the policy of keeping the institution up to the rank of a university, and their belief that the educational organization formed under his direction is a substantial foundation upon which to establish a university adapted to conditions at the seat of government.

#### SCIENTIFIC NOTES AND NEWS

THE subject of Mr. Roosevelt's Romanes lecture, to be given at Oxford, will be "Biological Analogies in History."

DR. EDWARD M. GALLAUDET, for the past fifty-three years president of the Columbian Institution for the Deaf and Dumb, commonly known as Gallaudet College, has resigned as president of the institution, his resignation to take effect on September 15. Dr. Gallaudet was born on February 5, 1837.

A TESTIMONIAL dinner in honor of Dr. James Tyson was given in Philadelphia on May 5, on the occasion of his retirement from the professorship of medicine of the University of Pennsylvania.

DR. WILLIAM H. PARK, professor of bacteriology and hygiene in the University and Bellevue Hospital Medical College, has been

given the degree of doctor of laws by Queen's University at Kingston, Ont.

THE Samuel D. Gross prize of the Philadelphia Academy of Surgery for 1910, amounting to \$1,500, has been awarded to Dr. A. P. C. Ashhurst, of Philadelphia, for an essay entitled, "An Anatomical and Surgical Study of Fractures of the Lower End of the Humerus."

WE learn from *Nature* that the Geological Society of France has this year awarded its Danton prize to M. Gosselet. The prize is given to the geologist whose discoveries are likely to benefit industry most, and was awarded to M. Gosselet for the part he has taken in the development of coal-mining in the north of France. The Viquesnel prize, intended to encourage geological research, has been awarded to M. Robert Douvillé for his stratigraphical work on the geology of Spain and his paleontological researches on the foraminifera and ammonites.

THE *Medical Record* calls attention to the fact that with the assumption by General Leonard Wood, of the office of chief of staff of the U. S. Army and the advancement of Major-General F. C. Ainsworth to become ranking major-general, the two highest positions in the army are held by physicians who entered the line from the medical service. General Wood was graduated from the Harvard Medical School in 1884. General Ainsworth was graduated from the medical department of the New York University in 1874.

THE association medal of the National Association of Cotton Manufacturers was awarded at its eighty-eighth meeting, on April 27, to Dr. C. J. H. Woodbury for his Bibliography on the Cotton Manufacture, and also for services to this industry. This medal was established in 1895, and the act governing its award states: It is the purpose of the board of government that this medal may be given to any person whose work has been, in their opinion, and advantage of sufficient importance to the purposes to which this organization is devoted in its broadest sense, in-

cluding any papers read before the association, the production of any mechanism or processes in the fabrication, design, or finishing of cotton goods, comprising mill construction, the generation of power and its distribution, or any of the works tributary to the cotton manufacture.

E. P. MEINECKE, Ph.D. (Heidelberg), has accepted a position as expert in the Office of Investigations in Forest Pathology in the Bureau of Plant Industry. This office, as organized at present, consists of: Dr. Haven Metcalf, pathologist in charge; Drs. George G. Hedgcock and Perley Spaulding, pathologists; Carl Hartley and E. J. Humphrey, assistants; Dr. E. P. Meinecke, expert.

MR. THEO. KRYSHTOFOVICH, of the Russian Government Agricultural Commission, is visiting America for the purpose of finding out what American agricultural methods, machinery and plants it would be worth while to introduce into the Russian steppes. He has been particularly interested in the hardy American fruits. He makes his headquarters at 3059 Magnolia Avenue, St. Louis.

DR. E. LINDHARD, director of the Royal Agricultural Experiment Station at Tystofte, Denmark, and Dr. Kølpin Ravn, professor of plant pathology in the Royal Agricultural College of Copenhagen, are visiting America for the purpose of studying American methods of forage crop production and applications of plant pathology.

MR. FRANK M. CHAPMAN, of the American Museum of Natural History, and Mr. Louis Fuertes, have returned from an ornithological expedition to the West Indies.

DR. CHARLES R. STOCKARD, of the Cornell Medical School and secretary of the American Society of Naturalists, will be at the Naples Zoological Station till the first of August.

DR. R. R. GATES has sailed for Europe to attend the International Botanical Congress at Brussels as a representative of the Missouri Botanical Garden and the St. Louis Academy of Sciences.

PROFESSOR E. B. MCGILVARY, of the department of philosophy of the University of Wis-

consin, was elected president of the Western Philosophical Association at the recent meeting at the University of Iowa.

THE eighteenth James Forest lecture of the Institution of Civil Engineers will be delivered in London, on June 22, by Sir John Gavey, C.B., on "Recent Developments of Telegraphy and Telephony."

THE Research Club of the University of Michigan held a memorial meeting on April 20 to commemorate the centennial of Dalton's "New System of Chemical Philosophy." The program was as follows: "John Dalton and his Achievement: A Glimpse across a Century," by Professor R. M. Wenley; "The Atomic Theory," by Professor S. L. Bigelow; "Daltonism to Date," by Professor C. E. Guthe.

THE Society for Philosophical Inquiry, of Washington, D. C., held a memorial meeting at the George Washington University, on May 3, in honor of the late Dr. William T. Harris, formerly U. S. Commissioner of Education. The program was as follows:

"The Genesis of the Philosopher," Rev. Dr. J. MacBride Sterrett.

"His Philosophy," Edward E. Richardson, Ph.D.

"Dr. Harris as U. S. Commissioner of Education," Dr. Elmer Ellsworth Brown, U. S. Commissioner of Education.

"Dr. Harris as Interpreter of Dante," Rev. Dr. Frank Sewall.

"Impressions of Dr. Harris as Teacher of Philosophy," Rev. Dr. U. G. B. Pierce.

Address by ex-Governor John W. Hoyt.

Address by Rev. Dr. Samuel S. Laws.

WALTER CRAIG KERR, president of Westinghouse, Church, Kerr and Company, previously assistant professor of engineering in Cornell University, of which institution he was a trustee at the time of his death, died on May 8, at the age of fifty-two years.

DR. JULIUS KÜHN, until recently professor of agriculture at Halle, has died in his eighty-fifth year.

DR. EUGENE HODENPYL, formerly adjunct professor of pathological anatomy in the College of Physicians and Surgeons of Columbia

University, died on May 5 at the age of forty-seven years.

DR. JULIUS POST, professor of industrial hygiene in the Berlin School of Technology, has died at the age of sixty-four years.

DR. C. B. PLOWRIGHT, formerly professor of comparative anatomy and physiology at the Royal College of Surgeons and known for his work in natural history, especially on the origin of fungi, has died at the age of fifty-one years.

AMONG the New York state civil service examinations to be held on May 28 is one for the position of zoologist in the Educational Department, with a salary of \$1,200.

THE senate on May 2 amended and passed a bill which already had passed the house to create a Bureau of Mines in the Interior Department. In addition to carrying on mining work heretofore done by the Geological Survey, the bureau will investigate the causes of mine explosions.

THE prize of the foundation George Montefiore, of the value of about \$4,000, will be awarded for the first time in 1911, for a printed or manuscript work on the technical applications of electricity. Further information may be obtained from the secretary M. G. L'Hœst, Liège, Belgium.

M. DE MONTEFIORE has given 150,000 francs to the Paris Academy of Sciences to establish a triennial prize in electrical science.

AT the University of Illinois an Aero Club has been formed by some twenty-five undergraduates. It intends to affiliate with the American Intercollegiate Aeronautic Association.

MORE than seventy-five international associations are holding a congress in Brussels this week, in connection with the World's Fair. Among them are the Interparliamentary Union, the Institution of International Law, the International Office for Weight and Measures, the International Geodetical Association, the Institut Marey, the International Office of the American Republics, the Nobel Institute and the International Groups of Esperanto.

A PRELIMINARY program has been issued of the International American Scientific Congress to be held in Buenos Aires from July 10 to 25, in celebration of the centenary of the revolution of May, 1810. The sections into which the congress is divided are as follows: Engineering, Physics and Mathematics, Chemistry, Geology, Anthropology, Biology, Geography and History, Economics and Statistics, Military Science, Naval Science and Psychology. Programs and information in regard to the congress may be obtained from the president of the committee of propaganda, care of the Argentine Scientific Society, 269. Calle Cevallos, Buenos Aires.

THE nineteenth session of the Marine Biological Laboratory of the Leland Stanford Junior University at Pacific Grove will begin on June 1. The regular course of instruction will continue six weeks, closing July 12. The investigators and students working without instruction may make arrangements to continue their work through the summer. The laboratory will be under the general supervision of Professor F. M. McFarland.

DURING the months of July and August the facilities of the seed laboratory of the Bureau of Plant Industry, United States Department of Agriculture, Washington, D. C., will be available as far as space permits to any one who wishes to consult the seed collection and become familiar with the practical methods of seed testing for mechanical purity and germination. For further information address Mr. E. Brown, botanist in charge.

THE fourth session of the Graduate School of Agriculture under the auspices of Association of American Agricultural Colleges and Experiment Stations will be held at the Iowa State College, Ames, Iowa, July 4-29. The new hall of agriculture, erected and equipped at a cost of \$375,000, will be the seat of activity during the session but the other buildings and laboratories of the departments will be available for instruction. The purpose of the Graduate School of Agriculture is to give advanced instruction with special reference to the methods of investigating agricultural problems and teach-

ing agricultural subjects. Instruction will be given in eight main lines, agronomy, plant pathology and physiology, animal husbandry, poultry, horticulture, dairying, rural engineering, rural economics and sociology. The work of extension departments, such as organization and function, agricultural journalism and conservation of our natural resources will be discussed at sessions particularly arranged for such. At the opening exercises to be held on July 6 addresses will be given by Hon. James Wilson, secretary of Agriculture; Dr. A. B. Storms, president of Iowa State College; Dr. W. O. Thompson, president of Ohio State University; Dr. C. F. Curtiss, dean of agriculture, Iowa State College; Dr. H. P. Armsby, chairman of the committee on graduate study, Association of American Agricultural Colleges and Experiment Stations, and Dr. A. C. True, director of Office of Experiment Stations and dean of the Graduate School of Agriculture. Attendance at the sessions of this school is limited to persons who have completed a college course and have taken a bachelor's degree, except to non-graduates who are recommended by the faculty of the college with which they are associated as properly qualified to take advanced work in agriculture.

#### UNIVERSITY AND EDUCATIONAL NEWS

THE New York legislature has passed a bill appropriating \$357,000 for new buildings for the State College of Agriculture at Cornell University. Of the sum appropriated, \$200,000 will be available this year. Three new buildings are provided for—an auditorium to cost \$113,000, a poultry building, for which \$90,000 is set aside, and a home economics building, whose cost will be \$154,000.

THE new engineering building of Union College built by Mr. Andrew Carnegie at a cost of \$100,000 and endowed by the alumni with an equal sum, was dedicated on April 28.

MR. JAMES R. STEERS has given the College of the City of New York, from the first class of which he graduated in 1853, \$10,000 for the purchase of books on natural history, physics and chemistry and has purchased the

library of the late Professor Wolf, of Delaware College, Newark, Delaware, and presented it to the Wolcott Gibbs Library of Chemistry in the college.

By the will of Edward A. Bowser, emeritus professor of mathematics and engineering, in Rutgers College, who died at Honolulu about two months ago, the college has received a bequest of his library, also the rights to the plates of the printed copies of his various text-books, together with the royalties on them.

It is announced that a National College of Agriculture is to be established in Pretoria. General Botha has promised to set aside £100,000 as a first installment for the execution of the project, and the Town Council has decided to give the government the whole of the town lands of Groenkloof as a site. The area comprises 3,681 acres.

HARVARD UNIVERSITY has established the new degree of associate in arts, to be abbreviated as A.A. It is understood that Radcliffe College will offer this degree to women. The degree is designed for those who have taken courses provided by the Department of University Extension, whether in the summer school or in the winter courses now being arranged by the intercollegiate "Commission on Extension Courses." It will require the same number of courses as the A.B., but no entrance examinations and no residence at the university.

THE commission appointed by the general assembly of the presbyterian church to confer with the trustees of Queen's University, at Kingston, Ont., in regard to certain changes in the university constitution decided, on a vote of ten to nine, to recommend to the Montreal assembly next June that the report of the joint committee, which met at Ottawa last January, be accepted. This would make Queen's University undenominational in form and enable it to receive the pensions of the Carnegie Foundation.

DR. CHARLES E. PELLEW, adjunct professor of chemistry, and Dr. Ira H. Woolson, adjunct professor of civil engineering, have resigned their chairs in Columbia University.